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INFORMATION DISCLOSURE	Application Number	10/755,946
	Filing Date	January 13, 2004
STATEMENT BY APPLICANT	First Named Inventor	Francisco J. Ayala
	Group Art Unit	608 2121
(use as many sheets as necessary)	Examiner Name	NOT YET KNOWN
Sheet 1 of 6	Attorney Docket Number	128180-1000
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			U.S. P	ATENT DOCUMENTS		
Examiner Initials	Cite No.1	U.S. Pater	nt Document Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
(X)		4.979,126	81	Pao et al.	12-18-1990	
1		4.994,982	B1	Duranton et al.	02-19-1991	
		5,093,899	B1	Hiraiwa	03-03-1992	
		5,136,686	B1	Koza	08-04-1992	
		5,140,530	B1	Guha et al.	08-18-1992	
		5,214,746	B1	Fogel et al.	05-25-1993	
		5,245,696	B1	Stork et al.	09-14-1993	
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		5,349,646	B1	Furuta et al.	09-20-1994	
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		5,428,710	B1	Toomarian et al.	06-27-1995	
		5,452,402	B1	Sakiyama et al.	09-19-1995	
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		5,459,817	B1	Shima	10-17-1995	
7/		5,515,477	B1	Sutherland	05-07-1996	
60		5,566,273	81	Huang et al.	10-15-1996	
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Examiner Cite	Foreign Patent Document			Name of Patentee or	Date of Publication	Pages, Columns, Lines, Where Relevant	т,		
Initials*	No.¹	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>3</sup> (if known)	Applicant of Cited Document	of Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear		

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Sheet ,2	, of , 6

Complete if Known				
Application Number	10/755,946			
Filing Date	January 13, 2004			
First Named Inventor	Francisco J. Ayala			
Group Art Unit	<del>1000</del> 2121			
Examinor Name-	NOT YET KNOWN			
Attorney Docket Number	128180-1000			

		U.S. P.	ATENT DOCUMENTS		
Cite No. <sup>2</sup>	U.S. Pater	nt Document Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	5,568,590	B1	Tolson	10-22-1996	
	5,617,483	B1	Osawa	04-01-1997	
	5,633,988	B1	Takatori et al.	05-27-1997	
	5,640,494	B1	Jabri, et al.	06-17-1997	
	5,704,016	B1	Shigematsu et al.	12-30-1997	
	5,717,832	B1	Steimle et al.	02-10-1998	
	5,720,002	B1	Wang	02-17-1998	
	5,729,662	B1	Rozmus	03-17-1998	
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	5,812,992	B1	de Vries	09-22-1998	
	5,832,466	B1	Feldgajer	11-031998	
	5,835,901	B1	Duvoisin, III et al.	11-10-1998	
	5,841,949	B1	Nakaya et al.	11-24-1998	
	5,864,832	B1	Meyers	01-26-1999	
	5,870,728	B1	Yatsuzuka et al.	02-09-1999	
	5,870,729	B1	Yoda	02-09-1999	
	5,920,851	B1	Muller	07-06-1999	
	5,930,781	B1	Toomarian et al.	07-27-1999	
)	5,937,432	B1	Yamaguchi et al.	08-10-1999	
	No.2	Cite No.2 Number  5,588,590 5,617,483 5,633,988 5,840,494 5,704,016 5,717,832 5,720,002 5,729,662 5,761,381 5,812,992 5,832,466 5,835,901 5,841,949 5,864,832 5,870,728 5,870,729 5,920,851 5,930,781	U.S. Patent Document  Kind Code <sup>3</sup> (if known)  5,568,590  B1  5,617,483  B1  5,633,988  B1  5,640,494  B1  5,704,016  B1  5,7717,832  B1  5,720,002  B1  5,720,662  B1  5,729,662  B1  5,781,381  B1  5,812,992  B1  5,832,466  B1  5,835,901  B1  5,841,949  B1  5,841,949  B1  5,841,949  B1  5,864,832  B1  5,870,728  B1  5,920,851  B1  5,930,781  B1	U.S. Patent Document   Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document   Number   Sind Code <sup>2</sup> (il known)

	FOREIGN PATENT DOCUMENTS							
Examiner Cite	Foreign Patent Document		Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant	76		
Initiats*	als* No.1	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	Applicant of Cited Document	MM-DD-YYYY	Passages or Relevant Figures Appear	

Examiner Signature	George Da Vis	Date Considered	2/17/05

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<sup>2</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 144	9A/PTO	Col	Complete if Known			
INFORMATIO	ON DISCLOSURE	Application Number	10/755,946			
<del>-</del>	= -	Filing Date	January 13, 2004			
STATEMEN	TBY APPLICANT	First Named Inventor	Francisco J. Ayala			
		Group Art Unit	908 2121			
(use as n	nany sheets as necessary)	Examiner Name	NOT YET KNOWN			
Sheet 3	, of , 6	Attorney Docket Number	128180-1000			

	U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.3	U.S. Patent Do	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
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1		6,038,338	B1	Nguyen	03-14-2000		
		6,151,592	B1	Inazumi	11-21-2000		
		6,205,556 B1	B1	Watanabe et al.	03-20-2001		
	i	6,269,351 B1	B1	Black	07-31-2001		
		6,349,293 B1	B1	Yamaguchi	02-19-2002		
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		6,415,272 B1	B1	Ulyanov	07-02-2002		
		6,449,603 B1	B1	Hunter	09-10-2002	† <b>**</b>	
		8,516,309 B1	B1	Eberhart et al.	02-04-2003		
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	-	Pub. No. 0014378	A1	Goodnight et al.	01-16-2003		
		Pub. No. 0018598	A1	Cawse et a.	01-23-2003		
17		Pub. No. 0059154	A1	Rodvold	05-16-2002		
CYD		Pub. No. 0004904	A1	Kirshenbaum	01-02-2003		
		I	B1				

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Examiner	Cite	For	eign Patent D	ocument	Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant	т6	
Initials*	No.1	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	Applicant of Cited Document	MM-DD-YYYY	Passages or Relevant Figures Appear	,	

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Complete if Known Substitute for form 1449B/PTO 10/755,946 Application Number INFORMATION DISCLOSURE Filing Date January 13, 2004 STATEMENT BY APPLICANT First Named Inventor Francisco J. Ayala <del>000</del> 212 **Group Art Unit** Examiner Name NOT YET KNOWN (use as many sheets as necessary) Sheet of 6 **Attorney Docket Number** 128180-1000

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
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6.9		KEANE, M.A., et al., 2002; <u>Automatic Synthesis Using Genetic Programming of an Improved General-Purpose Controller for Industrially Representative Plants</u> ; <u>Evolvable Hardware</u> , 2002; pp. 113-122.	
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Examiner Signature	( seo	rgel	avis	Date Considered	7/	<u> </u>	05

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Subst	itute for form 1449B/P	10		Application Number	10/755,946		
INF	ORMATION	N D	ISCLOSURE	Filing Date	January 13, 2004		
		_	APPLICANT	First Named Inventor	Francisco J. Ayala		
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	(use as many sh	eets a	s necessary)	Examiner Name	NOT YET KNOWN		
Sheet	5	of	6	Attorney Docket Number	128180-1000		

	OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²				
6.1		BYOUNG-TAK ZHANG, et al., Evolutionary Neural Trees for Modeling and Predicting Complex Systems; Engng. Applic. Artif. Intell. Vol 10, No. 5 pp. 473-483, 1997					
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C. ()		R.S.SCALERO, et al.; <u>A Fast New Algorighm for Training Feedforward Neural</u> Networks; Institute of Electrical and Electronics Engineering; Transactions on Signal Processing. Vol. 40, No. 1, January 1992; pp. 202-210					

Examiner Signature	Ger	orge Davis	Date Considered	2/17/	97

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Oraw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substi	itute for form 1449B/P1	10		Application Number	10/755,946	
INF	ORMATION	I D	SCLOSURE	Filing Date	January 13, 2004	
	<del>-</del>		APPLICANT	First Named Inventor	Francisco J. Ayala	
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Sheet	6	of	6	Attorney Docket Number	128180-1000	

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nitials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
19.9		K.E. KINNEAR, JR.; Evolutionary Computers 1, Basic Algorithms and Operators, Beck, T. et al. (eds) 2000; Institute of Physics Publishing, Bristol; pp. 102-113	
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G- 1)		A.K. BANSAL; Establishing a Framework for Comparative Analysis of Genome Sequences; IEEE First International Symposium on Intelligence in Neural and Biological Systems May 29-31 1995; p. 84	
CP		M.HILARIO, et al.; A Metalevel Architecture for Knowledge-Based neural Network  Design; IEEE 9 <sup>th</sup> International Conference on Tools with Artificial Intelligence;  November 2-8, 1997	

	Examiner Signature	George Vavis	Date Considered	2/1	7/0	/ \
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet <u>1</u> of <u>1</u>

C	omplete If Known
Application Number	10/755.946
Filing Date	January 13, 2004
First Named Inventor	Francisco J. Ayala
Art Unit	2121
-Examiner Name	Not yet known—
Attorney Docket Number	128180-1000

		NON PATENT LITERATURE DOCUMENTS	T²
Examiner Initial*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
Cip		Hampton, A. N. and C. Adami (2004) "Evolution of Robust Developmental Neural Networks" Arxiv.org archive (http://arxiv.org/pdf/nlin.AO/0405011).	
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